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Docket No. 221014US90PCT



3742  
✓

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Yasuji HIRAMATSU, et al.

SERIAL NO: 10/070,443

GAU: 3742

FILED: June 24, 2002

EXAMINER: FUQUA, SHAWNTINA T

FOR: SEMICONDUCTOR MANUFACTURING/TESTING CERAMIC HEATER, PRODUCTION METHOD FOR THE CERAMIC HEATER AND PRODUCTION SYSTEM FOR THE CERAMIC HEATER

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

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SIR:

Applicant(s) wish to disclose the following information.

MAR 11 2004

TECHNOLOGY CENTER R3700

REFERENCES

- ☐ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☒ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the application(s) is attached along with PTO 1449.
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DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

*Joseph A. Scafetta Jr.*  
Masayasu Mori

Registration No. 47,301

Joseph A. Scafetta, Jr.  
Registration No. 26, 803

03/08/2004 SSANDARA 00000021 10070443

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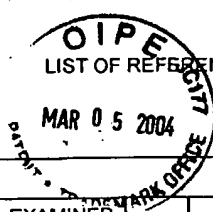
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Tel. (703) 413-3000  
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(OSMMN 05/03)

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| Form PTO 1449<br>(Modified)  |    | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE |          | ATTY DOCKET NO.<br>221014US90PCT      |                                | SERIAL NO.<br>10/070,443   |                               |
|--|----|--|----------|---------------------------------------|--------------------------------|--|-------------------------------|
|   |    |  |          | APPLICANT<br>Yasuji HIRAMATSU, et al. |                                |  |                               |
|  |    |  |          | FILING DATE<br>June 24, 2002          |                                | GROUP<br>3742  |                               |
| <b>U.S. PATENT DOCUMENTS</b>   |    |  |          |                                       |                                |  |                               |
| EXAMINER<br>INITIAL  |    | DOCUMENT<br>NUMBER   | DATE     | NAME                                  | CLASS                          | SUB<br>CLASS   | FILING DATE<br>IF APPROPRIATE |
| Sef  | AA | 6,507,006  | 01/14/03 | HIRAMATSU et al.                      |                                |  |                               |
|  | AB | 6,465,763  | 10/15/02 | ITO et al.                            |                                |  |                               |
|  | AC | 6,677,557  | 01/13/04 | ITO et al.                            |                                |  |                               |
|  | AD | 6,475,606  | 11/05/02 | NIWA                                  |                                |  |                               |
|  | AE | US 2002/0043527 A1   | 04/18/02 | ITO                                   |                                |  |                               |
|  | AF | US 2003/0015521 A1   | 01/23/03 | ITO                                   |                                |  |                               |
|  | AG |  |          |                                       |                                |  |                               |
|  | AH |  |          |                                       |                                |  |                               |
|  | AI |  |          |                                       |                                |  |                               |
|  | AJ |  |          |                                       |                                |  |                               |
|  | AK |  |          |                                       |                                |  |                               |
|  | AL |  |          |                                       |                                |  |                               |
|  | AM |  |          |                                       |                                |  |                               |
|  | AN |  |          |                                       |                                |  |                               |
| <b>FOREIGN PATENT DOCUMENTS</b>  |    |  |          |                                       |                                |  |                               |
|  |    | DOCUMENT<br>NUMBER   | DATE     | COUNTRY                               | TRANSLATION<br>YES NO          |  |                               |
|  | AO |  |          |                                       |                                |  |                               |
|  | AP |  |          |                                       |                                |  |                               |
|  | AQ |  |          |                                       |                                |  |                               |
|  | AR |  |          |                                       |                                |  |                               |
|  | AS |  |          |                                       |                                |  |                               |
|  | AT |  |          |                                       |                                |  |                               |
|  | AU |  |          |                                       |                                |  |                               |
|  | AV |  |          |                                       |                                |  |                               |
| <b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>   |    |  |          |                                       |                                |  |                               |
|  | AW |  |          |                                       |                                |  |                               |
|  | AX | <b>RECEIVED</b>  |          |                                       |                                |  |                               |
|  | AY | MAR 11 2004  |          |                                       |                                |  |                               |
|  | AZ | TECHNOLOGY CENTER R3700                                    |          |                                       |                                | <input type="checkbox"/> Additional References sheet(s) attached |                               |
| Examiner <i>Shawntina Juequa</i>   |    |  |          |                                       | Date Considered <i>6/28/04</i> |  |                               |
| *Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |    |  |          |                                       |                                |  |                               |



**LIST OF RELATED CASES**

| <u>Docket Number</u> | <u>Serial or<br/>Patent Number</u> | <u>Filing or<br/>Issue Date</u> | <u>Inventor/<br/>Applicant</u> |
|----------------------|------------------------------------|---------------------------------|--------------------------------|
| 221014US2 PCT*       | 10/070,443                         | 06/24/02                        | HIRAMATSU, et al.              |
| 246909US-90-DIV      | 10/746,081 ✓                       | 12/29/03                        | HIRAMATSU, et al.              |
| 247451US-90-DIV      | 10/755,308 ✓                       | 01/13/04                        | HIRAMATSU, et al.              |
| 248168US90 CONT      | 10/766,027 ✓                       | 01/29/04                        | ITO, et al.                    |

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Shawntina Ingua 6/28/07

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\*Present Application; listed for information  
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|----------------------|------------------------------------|---------------------------------|--------------------------------|
| PER CLIENT           | 09/471,759 ✓                       | 12/23/99                        | SAITO et al.                   |
| PER CLIENT           | 09/462,067 ✓                       | 01/05/01                        | FURUKAWA et al.                |
| PER CLIENT           | 10/345,356 ✓                       | 01/16/03                        | ITO                            |
| PER CLIENT           | 09/787,954 ✓                       | 03/23/01                        | ITO                            |
| PER CLIENT           | 09/787,816 ✓                       | 03/23/01                        | ITO                            |
| PER CLIENT           | 09/787,818 ✓                       | 03/23/01                        | ITO                            |
| PER CLIENT           | 09/806,957 ✓                       | 04/06/01                        | ITO et al.                     |
| PER CLIENT           | 09/926,730 ✓                       | 04/16/01                        | HIRAMATSU et al.               |
| PER CLIENT           | 09/880,742 ✓                       | 06/13/01                        | SAITO et al.                   |
| PER CLIENT           | 09/880,359 ✓                       | 06/13/01                        | SAITO et al.                   |
| PER CLIENT           | 09/880,379 ✓                       | 06/13/01                        | SAITO et al.                   |
| PER CLIENT           | 09/915,418 #                       | 07/27/01                        | ITO                            |
| PER CLIENT           | 09/916,682 ✓                       | 07/30/01                        | ITO                            |
| PER CLIENT           | 09/890,358 ✓                       | 07/30/01                        | ITO                            |
| PER CLIENT           | 09/917,749 ✓                       | 07/31/01                        | ITO                            |
| PER CLIENT           | 09/958,689 ✓                       | 10/10/01                        | FURUKAWA et al.                |
| PER CLIENT           | 09/979,676 ✓                       | 11/05/01                        | ZHOU                           |
| PER CLIENT           | 10/048,894 ✓                       | 02/01/02                        | FURUKAWA                       |
| PER CLIENT           | 10/049,539 ✓                       | 11/07/01                        | ZHOU                           |
| PER CLIENT           | 10/182,009 ✓                       | 07/24/02                        | ZHOU                           |

\*Present Application; listed for information

#Abandoned Application

MM/sb/akh

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|                |              |          |                  |
|----------------|--------------|----------|------------------|
| PER CLIENT     | 10/222,928 / | 08/19/02 | ITO              |
| PER CLIENT     | 10/265,413 ✓ | 10/07/02 | OHASHI et al.    |
| PER CLIENT     | 10/356,519 ✓ | 02/03/03 | ITO              |
| PER CLIENT     | 10/217,029 * | 08/13/02 | ITO              |
| 205232US0 PCT  | 09/806,477 ✓ | 06/25/01 | ITO et al.       |
| 205235US90 PCT | 09/831,887 ✓ | 05/23/01 | ITO et al.       |
| 205240US0 PCT  | 09/807,960 ✓ | 05/18/01 | HIRAMATSU et al. |
| 209243US0 PCT  | 6,507,006    | 01/14/03 | HIRAMATSU et al. |
| 211598US2 PCT  | 09/869,321 / | 10/18/01 | ZHOU             |
| 212145US0 PCT  | 6,465,763    | 10/15/02 | ITO et al.       |
| 212814US3 PCT  | 09/926,012 ✓ | 10/24/01 | HIRAMATSU et al. |
| 213163US2 PCT  | 09/926,092 ✓ | 12/27/01 | ITO et al.       |
| 214768US90 PCT | 09/926,297 ✓ | 12/26/01 | HIRAMATSU et al. |
| 214810US90 PCT | 09/926,296 ✓ | 12/27/01 | ITO et al.       |
| 215240US0 PCT  | 09/926,362 ✓ | 01/16/02 | HIRAMATSU et al. |
| 215648US0 PCT  | 09/926,465 ✓ | 02/12/02 | FURUKAWA et al.  |
| 215811US0 PCT  | 09/926,464 ✓ | 01/10/02 | HIRAMATSU et al. |
| 215899US2 PCT  | 09/926,499 ✓ | 03/26/02 | HIRAMATSU et al. |
| 216714US2 PCT  | 09/926,714 / | 03/05/02 | ITO et al.       |
| 216723US2 PCT  | 09/926,713 ✓ | 03/05/02 | HIRAMATSU        |
| 216926US2 PCT  | 10/009,174 ✓ | 04/21/03 | HIRAMATSU et al. |
| 217551US2 PCT  | 10/019,448 / | 04/08/02 | ITO et al.       |
| 217562US2 PCT  | 09/926,800 ✓ | 03/19/02 | HIRAMATSU et al. |
| 217827US2 PCT  | 10/019,444 / | 04/23/02 | HIRAMATSU et al. |

\*Present Application; listed for information

# Abandoned Application

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|                |              |          |                  |
|----------------|--------------|----------|------------------|
| 217856US3 PCT  | 6,677,557    | 01/13/04 | ITO et al.       |
| 217960US2 PCT  | 10/019,311 ✓ | 04/09/02 | HIRAMATSU et al. |
| 218478US2 PCT  | 10/030,123 ✓ | 05/16/02 | HIRAMATSU et al. |
| 219288US2 PCT  | 10/049,293 ✓ | 04/30/02 | ITO et al.       |
| 219289US0 PCT  | 10/069,943 ✓ | 07/10/02 | ITO et al.       |
| 219421US2 PCT  | 10/048,490 ✓ | 04/30/02 | ITO et al.       |
| 219574US2 PCT  | 10/048,979 ✓ | 04/26/02 | HIRAMATSU et al. |
| 220253US2 PCT  | 10/069,511 ✓ | 06/24/02 | ITO et al.       |
| 220254US2 PCT  | 10/069,510 ✓ | 06/20/02 | HIRAMATSU et al. |
| 221014US2 PCT* | 10/070,443   | 06/24/02 | HIRAMATSU et al. |
| 221015US2 PCT  | 10/070,441 ✓ | 06/26/02 | ITO et al.       |
| 221158US2 PCT  | 10/088,098 ✓ | 05/30/02 | ITO et al.       |
| 221160US2 PCT  | 10/088,100 ✓ | 06/26/02 | IDO              |
| 221689US0 DIV  | 10/118,967 ✓ | 04/10/02 | ITO et al.       |
| 222661US3 PCT  | 10/111,980 ✓ | 06/27/02 | ITO et al.       |
| 223945US0 PCT  | 10/168,527 ✓ | 10/18/02 | HIRAMATSU et al. |
| 225895US0 PCT  | 10/181,724 ✓ | 09/27/02 | HIRAMATSU et al. |
| 226831US0 CIP  | 10/226,160 ✓ | 08/23/02 | ITO et al.       |
| 226886US0 CIP  | 10/229,177 ✓ | 08/28/02 | HIRAMATSU et al. |
| 229618US0 DIV  | 10/277,818 ✓ | 10/23/02 | HIRAMATSU et al. |
| 231910US90 PCT | 10/311,368 ✓ | 05/09/03 | ITO et al.       |
| 232028US3 DIV  | 10/352,138 ✓ | 01/28/03 | HIRAMATSU et al. |
| 232736US0 CONT | 10/346,095 ✓ | 01/17/03 | ITO et al.       |
| 233544US90 PCT | 10/343,747 ✓ | 08/27/03 | ITO et al.       |

\*Present Application; listed for information

#Abandoned Application

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|------------------|--------------|----------|------------------|
| 233936US90 PCT   | 10/344,148 ✓ | 07/29/03 | KARIYA et al.    |
| 233937US90 PCT   | 10/343,833 ✓ | 09/22/03 | ZHOU et al.      |
| 234652US90 CONT  | 10/386,615 ✓ | 03/13/03 | HIRAMATSU et al. |
| 234735US90 CONT  | 10/387,452 ✓ | 03/14/03 | ITO et al.       |
| 234749US90 PCT   | 10/363,310 ✓ | 03/03/03 | ITO              |
| 235401US90 CONT  | 10/397,321 ✓ | 03/27/03 | HIRAMATSU et al. |
| 236147US90 PCT   | 10/398,393 ✓ | 01/21/04 | HIRAMATSU et al. |
| 237250US90 CONT  | 10/442,967 ✓ | 05/22/03 | HIRAMATSU et al. |
| 237386US90       | 6,475,606    | 11/05/02 | NIWA             |
| 237387US90 CONT  | 10/260,360 ✓ | 10/01/02 | NIWA             |
| 237457US90 CONT  | 10/615,950 ✓ | 07/10/03 | HIRAMATSU et al. |
| 237934US90 PCT   | 10/416,497 ✓ | 12/11/03 | HIRAMATSU et al. |
| 238745US90 CONT  | 10/618,651 ✓ | 07/15/03 | ITO et al.       |
| 238750US90 CONT  | 10/618,623 ✓ | 07/15/03 | ITO et al.       |
| 238755US90 CONT  | 10/618,655 ✓ | 07/15/03 | ITO et al.       |
| 238761US90 CONT  | 10/618,665 ✓ | 07/15/03 | ITO et al.       |
| 238955US90 PCT   | 10/432,639 ✓ | 11/06/03 | ITO et al.       |
| 240245US3 CONT   | 10/619,567 ✓ | 07/16/03 | HIRAMATSU et al. |
| 240514US90 CONT  | 10/362,941 ✓ | 04/28/03 | ITO              |
| 241056US90#      | 09/524,010 ✓ | 03/13/00 | NIWA             |
| 241058US90 CONT# | 09/946,463 ✓ | 09/06/01 | NIWA             |
| 241064US90 CONT  | 10/244,008 ✓ | 09/16/02 | NIWA             |
| 241191US90 CONT  | 10/670,354 ✓ | 09/26/03 | NIWA             |
| 242402US90 CONT  | 10/658,454 ✓ | 09/10/03 | ITO et al.       |

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|                 |            |   |          |                  |
|-----------------|------------|---|----------|------------------|
| 242768US90 CONT | 10/663,681 | ✓ | 09/17/03 | ITO et al.       |
| 243468US90 PCT  | 10/473,585 | ✓ | 02/13/04 | ITO et al.       |
| 244440US90 CONT | 10/697,287 | ✓ | 10/31/03 | ITO et al.       |
| 245199US90 CONT | 10/718,535 | ✓ | 11/24/03 | HIRAMATSU et al. |
| 246481US90 PCT  | 09/673,953 | ✓ | 12/21/00 | ITO et al.       |
| 246590US90 DIV  | 10/732,296 | ✓ | 12/11/03 | ITO et al.       |

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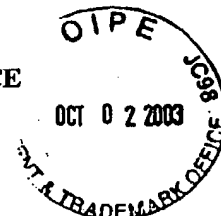
SERIAL NO: 10/070,443

FILED: June 24, 2002

FOR: CERAMIC HEATER FOR A SEMICONDUCTOR PRODUCING/EXAMINING DEVICE, PROCESS OF PRODUCING THE CERAMIC HEATER, AND PRODUCTION SYSTEM OF THE CERAMIC HEATER

GAU:

EXAMINER:



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OCT 06 2003

TECHNOLOGY CENTER R3700

Respectfully submitted,

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Roland E. Martin  
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| <u>Docket Number</u> | <u>Serial or<br/>Patent Number</u> | <u>Filing or<br/>Issue Date</u> | <u>Inventor/<br/>Applicant</u> |
|----------------------|------------------------------------|---------------------------------|--------------------------------|
| Stf 205295US0 PCT    | 09/806,478 ✓                       | 07/26/01                        | ITO et al.                     |
| Stf 219658US0 PCT    | 10/048,989 ✓                       | 05/29/02                        | HIRAMATSU et al.               |
| Stf 221014US2 PCT*   | 10/070,443                         | 06/24/02                        | HIRAMATSU et al.               |

Shawntina Inguva

6/28/04

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MAIER & NEUSTADT, P.C.  
Norman F. Oblon

Roland E. Martin  
Registration No. 48,082

Customer Number

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(OSMMN 05/03)



LIST OF RELATED CASES

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| Stf | 221014US90 PCT*      | 10/070,443                         | 06/24/02                        | HIRAMATSU, et al.              |
| Stf | 247814US90CONT       | 10/759,083                         | 01/20/04                        | HIRAMATSU, et al.              |

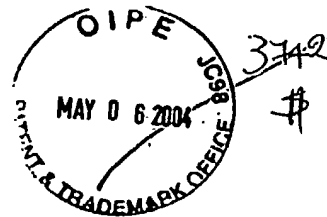
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- ☒ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

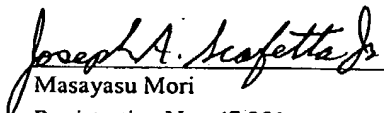
- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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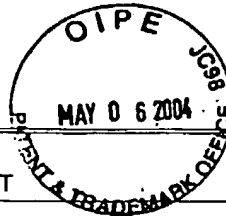
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SHEET 1 OF 1

Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.  
221014US90PCTSERIAL NO.  
10/070,443

## LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Yasuji HIRAMATSU, et al.

FILING DATE

June 24, 2002

GROUP

3742

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT<br>NUMBER | DATE | NAME | CLASS | SUB<br>CLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|----|--------------------|------|------|-------|--------------|-------------------------------|
|                     | AA |                    |      |      |       |              |                               |
|                     | AB |                    |      |      |       |              |                               |
|                     | AC |                    |      |      |       |              |                               |
|                     | AD |                    |      |      |       |              |                               |
|                     | AE |                    |      |      |       |              |                               |
|                     | AF |                    |      |      |       |              |                               |
|                     | AG |                    |      |      |       |              |                               |
|                     | AH |                    |      |      |       |              |                               |
|                     | AI |                    |      |      |       |              |                               |
|                     | AJ |                    |      |      |       |              |                               |
|                     | AK |                    |      |      |       |              |                               |
|                     | AL |                    |      |      |       |              |                               |
|                     | AM |                    |      |      |       |              |                               |
|                     | AN |                    |      |      |       |              |                               |

## FOREIGN PATENT DOCUMENTS

|     |    | DOCUMENT<br>NUMBER | DATE       | COUNTRY  | TRANSLATION |    |
|-----|----|--------------------|------------|--|-------------|----|
|     |    |                    |            |  | YES         | NO |
| Stg | AO | 11-40330           | 02/12/1999 | JAPAN (with English Abstract and corr. EP 1 109 423) |             | X  |
|     | AP | 1 109 423          | 06/20/2001 | EUROPE   |             |    |
|     | AQ | 6-202511           | 07/22/1994 | JAPAN (with English Abstract)                        |             | X  |
|     | AR | 10-305606          | 11/17/1998 | JAPAN (with English Abstract)                        |             | X  |
|     | AS | 5-190260           | 07/30/1993 | JAPAN (with English Abstract)                        |             | X  |
|     | AT | 2000-101315        | 04/07/2000 | JAPAN (with English Abstract)                        |             | X  |
| Stg | AU | 2001-244059        | 09/07/2001 | JAPAN (with English Abstract)                        |             | X  |
|     | AV |                    |            |  |             |    |

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

|  |    |  |
|--|----|--|
|  | AW |  |
|  | AX |  |
|  | AY |  |
|  | AZ |  |

☐ Additional References sheet(s) attached

Examiner

*Shawn T. L. Lugo*

Date Considered 6/28/04

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.